

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-000738**Date Inspected:** 07-Jul-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 0**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 12**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Dao, Shanghai

Quality Control Contact:	ABF Paint Supervisor William (Bill) Oak			Quality Control Present:	Yes	No
Material transfer:	Yes	No	N/A	Sampled Items:	Yes	No N/A
Stock Transfer:	Yes	No	N/A	OK to Cut:	Yes	No N/A
Rebar Test Witness:	Yes	No	N/A	Delayed/Cancelled:	Yes	No N/A
Other:	Surface Preparation and Coatings Application					
Bridge No:	34-0006			Component:	OBG Misc. Metal, Paint Samples	
Bid Item:	77,78,79,80			Lot No:	B226	

Summary of Items Observed:

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Donald Jordan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

The following inspections were performed by Caltrans QA Coatings Inspector Jordan, American Bridge/Fluor Enterprises, a JV (ABF) Paint Supervisors William (Bill) Oak and Don Walton, ABF QC Zhou Qun Song (Joe), ABF QC David Duon, ABF QC Shi Zhaoyuan (Stone), ABF QC Zhou Wei, ABF QC Wei Chang Yun, ABF QC Sun Xiong, International Paint (IP) Onsite Technical Services Engineer (OTSE) Peng Zi Li, IP OTSE Alpha Chen, Zhenhua Port Machinery Company, LTD (ZPMC) QC Manager Xia Yong, ZPMC QC Zhang Diang, ZPMC QC Dong Yao Fei and ZPMC QC Guo Wan Li, ZPMC QC Xie Yong Gang, ZPMC QC An Ming, ZPMC QC Dong Ji Fang and ZPMC QC Xia Yu Juan.

All Notices of Inspection and Quality Control (QC) Inspection reports signed by Mr. Jordan on this date identify receipt of the documentation and are not intended to be identified as acceptance or rejection of the work performed.

Paint Samples

It was reported to Caltrans QA Coatings Inspector Jordan by Caltrans Structural Materials Representative (SMR) Jim Simonis that the last set of paint samples pulled and shipped to the lab for testing had arrived at the wrong lab. Mr. Jordan worked with Mr. Simonis to find out how this happened. Calls were made to figure out how to retrieve

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the samples and get them delivered to the proper lab for acceptance testing. There was no solution found to this issue today.

Caltrans QA Coatings Inspector Jordan was called into the office and informed that paint application preparations were being performed on the interior of the West line of the OBG lifts in the trial assembly area. Upon arriving at the location Mr. Jordan could not locate any paint related work being performed. Mr. Jordan informed ABF Paint Supervisor of the situation. After investigating Mr. Oak reported that ZPMC QC personnel were not aware of any work being performed in that area. ZPMC QC personnel were dispatched to the area to investigate. ZPMC QC instructed the workers not to be applying any coatings. The ambient conditions do not meet the contract requirements in this area today.

OBG Miscellaneous Metal

Caltrans QA Coatings Inspectors received Notices of Inspection to attend joint inspections with ABF and ZPMC QC for surface preparation by abrasive blasting and primer coat application on OBG splice plates. Upon arriving at the site of inspection ambient condition readings were taken by ABF QC personnel. The ambient conditions were found to be unacceptable for coating application. The items require re-blasting after the ambient conditions are favorable. At that time Caltrans QA Coatings Inspectors will inspect the surfaces of the base metal to insure they meet the SSPC SP10 Near White Metal Contract requirements prior to primer coating application.

Fabrication on assembled components of the OBG's and Towers are not complete. Outstanding weld repairs have not been performed. Coating damage requiring re-blast is expected.

Summary of Conversations:

There were no relevant conversations on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh (China) +8613472477571, who represents the Office of Structural Materials for your project.

Inspected By:	Jordan,Don	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
